



Attorney's Docket No.: 04838-053001

2665  
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UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lawrence W. Yonge III et al.      Art Unit : 2665  
Serial No. : 09/632,303      Examiner : Thomas E. Volper  
Filed : August 4, 2000  
Title : MEDIA ACCESS CONTROL PROTOCOL WITH PRIORITY AND  
CONTENTION-FREE INTERVALS

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed. Applicants do not concede that the listed references are prior art.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: \_\_\_\_\_

9/28/04

G. Roger Lee  
Reg. No. 28,963

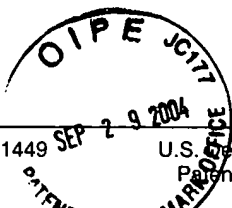
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09/30/2004 CCHAU1 00000009 09632303

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>04838-053001</b>	Application No. <b>09/632,303</b>
	Applicant <b>Lawrence W. Yonge III et al.</b>		
	Filing Date <b>August 4, 2000</b>	Group Art Unit <b>2665</b>	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6747976	06/08/04	Bensaou et al.			
	AB	6671284	12/30/03	Yonge III et al.			
	AC	6667991	12/23/03	Tzannes			
	AD	6654410	11/25/03	Tzannes			
	AE	6567914	05/20/03	Just et al.			
	AF	6553534	04/22/03	Yonge III et al.			
	AG	6538985	03/25/03	Petry et al.			
	AH	6526451	02/25/03	Kasper			
	AI	6519263	02/11/03	Huth			
	AJ	6501760	12/31/02	Ohba et al.			
	AK	6487212	11/26/02	Erimli et al.			
	AL	6480489	11/12/02	Muller et al.			
	AM	6473435	10/29/02	Zhou et al.			
	AN	6466580	10/15/02	Leung			
	AO	6456649	09/24/02	Isaksson et al.			
	AP	6434153	08/13/02	Yazaki et al.			
	AQ	6430661	08/06/02	Larson et al.			
	AR	6385672	05/07/02	Wang et al.			
	AS	6370156	04/09/02	Spruyt et al.			
	AT	6363052	03/26/02	Hosein			
	AU	6343083	01/29/02	Mendelson et al.			
	AV	6334185	12/25/01	Hansson et al.			
	AW	6295296	09/25/01	Tappan			
	AX	6289000	09/11/01	Yonge, III			
	AY	6278716	08/21/01	Rubenstein et al.			
	AZ	6259696	07/10/01	Yazaki et al.			
	AAA	6252849	06/26/01	Rom et al.			

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6243449	06/05/01	Margulis et al.			
	ACC	6243386	06/05/01	Chan et al.			
	ADD	6215792	04/10/01	Abi-Nassif			
	AEE	6202082	03/13/01	Tomizawa et al.			
	AFF	6192397	02/20/01	Thompson			
	AGG	6182147	01/30/01	Farinacci			
	AHH	6151296	11/21/00	Vijayan et al.			
	AII	6130894	10/10/00	Ojard et al.			
	AJJ	6130887	10/10/00	Dutta			
	AKK	6108713	08/22/00	Sambamurthy et al.			
	ALL	6092214	07/18/00	Quoc et al.			
	AMM	6076115	06/13/00	Sambamurthy et al.			
	ANN	6052377	04/18/00	Ohmi et al.			
	AOO	6044482	03/28/00	Wong			
	APP	6041358	03/21/00	Huang et al.			
	AQQ	6044154	03/28/00	Kelly			
	ARR	6041063	03/21/00	Povlsen et al.			
	ASS	6006017	12/21/99	Joshi et al.			
	ATT	6005894	12/21/99	Kumar			
	AUU	5966412	10/12/99	Ramaswamy			
	AVV	5956338	09/21/99	Ghaibeh			
	AWW	5948060	09/07/99	Gregg et al.			
	AXX	5940438	08/17/99	Poon et al.			
	YYY	5940399	08/17/99	Weizman			
	AZZ	5914959	06/22/99	Marchetto et al.			
	AAAA	5914932	06/22/99	Suzuki et al.			
	ABBB	5903614	05/11/99	Suzuki et al.			

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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	5896561	04/20/99	Schrader et al.			
	ADDD	5886993	03/23/99	Ruszczky et al.			
	AEEE	5884040	03/16/99	Chung			
	AFFF	5841873	11/24/98	Lockhart et al.			
	AGGG	5841778	11/24/98	Shaffer et al.			
	AHHH	5828677	10/27/98	Sayeed et al.			
	AIII	5825807	10/20/98	Kumar			
	AJJJ	5818826	10/06/98	Gfeller et al.			
	AKKK	5818821	10/06/98	Schurig			
	ALLL	5812599	09/22/98	Van Kerckhove			
	AMMM	5799033	08/25/98	Baggen			
	ANNN	5793307	08/11/98	Perrault et al.			
	AOOO	5787071	07/28/98	Basso et al.			
	APPP	5771235	06/23/98	Tang et al.			
	AQQQ	5764931	06/09/98	Schmahl et al.			
	ARRR	5757770	05/26/98	Lagoutte et al.			
	ASSS	5757766	05/26/98	Sugita			
	ATTT	5745769	04/28/98	Choi			
	AUUU	5737330	04/07/98	Fulthorp et al.			
	AVVV	5732113	03/24/98	Schmidl et al.			
	AWWW	5717689	02/10/98	Ayanoglu			
	AXXX	5706348	01/06/98	Gray et al.			
	AYYY	5694389	12/02/97	Seki et al.			
	AZZZ	5651009	07/22/19	Perreault et al.			
	AAAAA	5644576	07/01/19	Bauchot et al.			
	ABBBB	5636230	06/03/97	Marturano et al.			
	ACCCC	5629948	05/13/97	Hagiwara et al.			

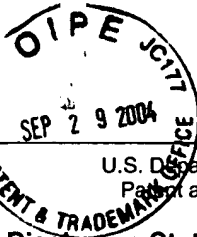
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	ADDDD	5623512	04/22/97	Sasaki			
	AEEEE	5619651	04/08/97	Young			
	AFFFF	5615212	03/25/97	Ruszczyk et al.			
	AGGGG	5612975	03/18/97	Becker et al.			
	AHHHH	5610908	03/11/97	Shelswell et al.			
	AIIII	5568476	10/22/96	Sherer et al.			
	AJJJJ	5563897	10/08/96	Pyndiah et al.			
	AKKKK	5563883	10/08/96	Cheng			
	ALLLL	5555268	09/10/96	Fattouche et al.			
	AMMMM	5548649	08/20/96	Jacobson			
	ANNNN	5541922	07/30/96	Pyhalammi			
	AOOOO	5537414	07/16/96	Takiyasu et al.			
	APPPP	5524027	06/04/96	Huisken			
	AQQQQ	5515379	05/07/96	Crisler et al.			
	ARRRR	5504747	04/02/96	Sweazey			
	ASSSS	5488632	01/30/96	Mason et al.			
	ATTTT	5483529	01/09/96	Baggen et al.			
	AUUUU	5452322	09/19/95	Lauer			
	AVVVV	5452288	09/19/95	Rahuel et al.			
	AWWWW	5448565	09/05/95	Chang et al.			
	AXXXX	5436905	07/25/95	Li et al.			
	AYYYY	5426646	06/20/95	Slack			
	AZZZZ	5416801	05/16/95	Chouly et al.			
	AAAAAA	5384777	01/24/95	Ahmadi et al.			
	ABBBBB	5343473	08/30/94	Cidon et al.			
	ACCCCC	5339313	08/16/94	Ben-Michael et al.			
	ADDDDD	5307376	04/26/94	Castelain et al.			

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**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AEEEEEE	5280480	01/18/19	Pitt et al.			
	AFFFFF	5274629	12/28/93	Helard et al.			
	AGGGGG	5231634	07/27/93	Giles et al.			
	AHHHHH	5228025	07/13/93	Le Floch et al.			
	AIIIII	5214646	05/25/93	Yacoby			
	AJJJJJ	5197061	03/23/93	Halbert-Lassalle et al.			
	AKKKKK	5157659	10/20/92	Schenkel			
	ALLLLL	5140584	08/18/92	Suzuki			
	AMMMMM	5121396	06/09/92	Irvin et al.			
	ANNNNN	5105423	04/14/92	Tanaka et al.			
	AOOOOC	5081678	01/14/92	Kaufman et al.			
	APPPPP	5046069	09/03/91	Calvignac et al.			
	AQQQQQ	5003539	03/26/91	Takemoto et al.			
	ARRRRR	5001472	03/19/91	Fischer et al.			
	ASSSSS	4881241	11/14/89	Pommier et al.			
	ATTTTT	4819229	04/04/89	Pritty et al.			
	AUUUUU	4792947	12/20/88	Takiyasu et al.			
	AVVVVV	4726018	02/16/88	Bux et al.			
	AWWWWW	4720850	01/19/88	Oberlander et al.			
	AXXXXX	4630261	12/16/86	Irvin			
	AYYYYY	4569044	02/04/86	Tao et al.			
	AZZZZZ	3806885	04/23/74	Moore			
	AAAAAA	2004/0001499	01/01/04	Patella et al.			
	ABBBBB	2003/0006883	01/09/03	Kim et al.			
	ACCCCC	2003/0174664	09/18/03	Benveniste			
	ADDDDD	2003/0079169	04/24/03	Ho et al.			
	AEEEEEE	2002/0191533	12/19/02	Chini et al.			

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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AFFFFFFF	2002/0065047	05/30/02	Moose			
	AGGGGG	2002/0048368	04/25/02	Gardner			
	AHHHHH	2002/0042836	04/11/02	Mallory			
	AIIIII	2001/0043576	11/22/01	Terry			
	AJJJJJ	Re. 35,001	07/25/95	Grow			

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AKKKKK	02/41598	05/23/02	PCT				
	ALLLLL	98/57440	12/17/98	PCT				

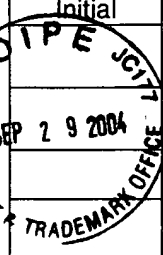
### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	MMMMMM	Sun et al., Public-key ID-based Cryptosystem, 1991, IEEE, pages 142-144
	ANNNNN	Bruschi, Danilo, Secure Multicast in Wireless Networks of Mobile Hosts: Protocols and Issues, 2002, Mobile Networks and Applications, pages 503-511
	AOOOOO	IBM, Combined use of collision resolution and collision avoidance MAC protocols, 10/1/1994, IBM Technical Disclosure Bulletin, Vol. 37, Pages 299-302 (NN9410299)
	APPPPP	ISO/IEC 8802-3: 2002 International Standard (ANSI/IEEE Std 802.3) Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications
	AQQQQQ	Bux, "Token-Ring Local-Area Networks and Their Performance," Procs. Of the IEEE, Vol. 77, No. 2, February 1989
	ARRRRR	Applied Cryptography, Second Edition: protocols, algorithms, and source code in C, Bruce Schneier, 1996
	ASSSSS	PKCS #5 v. 20: Password-Based Cryptography Standard, RSA Laboratories, March 25, 1999
	ATTTTT	HomePlug Powerline Alliance, HomePlug 1.0.1 Specification, December 1, 2001
	AUUUUU	Lee et al., "HomePlug 1.0 powerline communication LANs – protocol description and performance results", Int. J. Commun. Syst., Vol. 16 (2003)
	AVVVVV	Bertsekas et al., Data Networks, Prentice Hall, Englewood Cliffs, NJ, Section 2.4.3 Selective Repeat ARQ (1992)
	WWWWWW	HiPerformance Radio Local Area Network (HiperLAN) Type I: Functional Specification, European Standard (Telecommunication Series) No. 300652 V. 1.2.1 1998-07
	AXXXXX	An Architecture for Differentiated Services, IETF RFC 2475, December 1998

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**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AYYYYY	Goalic et al., "Real-Time Turbo-Decoding of Product Codes on a Digital Signal Processor," IEEE, pp. 624-628 (1997)
	AZZZZZ	Benedetto et al., "A Soft-Input Soft-Output Maximum A Posteriori (MAP) Module to Decode Parallel and Serial Concatenated Codes," TDA Progress Report 42-127, pp. 1-20 (11/96)
	AAAAAA	Peterson et al., "Error-Correcting Codes," The MIT Press (1972)
	ABBBBB	Pyndiah, "Near-Optimum Decoding of Product Codes: Block Turbo Codes," IEEE Transactions on Communications, Vol. 46, No. 8, pp. 1003-1010 (08/98)
	ACCCCC	Pyndiah, "Near Optimum Decoding of Product Codes," IEEE, pp. 339-343 (1994)
	DDDDDD	Pyndiah, "Performance of Block Turbo Coded 16-QAM and 64-QAM Modulations," IEEE, pp. 1039-1043 (1995)
	AEEEEEE	Ehksam et al., "A cryptographic key management scheme for implementing the Data Encryption Standard," IBM Syst J, Vol. 17, No. 2 (1978)

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FR FISH & RICHARDSON P.C.

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02110-2804

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### ION DISCLOSURE STATEMENT

d on the attached form PTO-1449 are enclosed. Applicants  
ces are prior art.

after a first Office action on the merits, but before receipt of  
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d. Please apply any other charges or credits to Deposit

Respectfully submitted,

G. Roger Lee  
Reg. No. 28,963